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FROM: Beth Pearson-Naul for Kaushik P. Sriram

RE: Serial No.: 10/765,612  
Docket No.: 584-34206-US  
Title: "Method and Apparatus for Multi-Frequency NMR  
Diffusion Measurement in the Presence of Internal  
Magnetic Field Gradients"

NUMBER OF PAGES INCLUDING THIS COVER SHEET: 18

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Response to Office Action Dated March 17, 2005

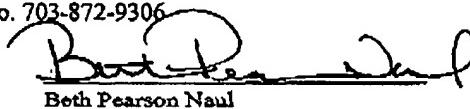
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APPLICANT:	Gregory Itskovich et al.	§	Group Art Unit: 2859
SERIAL NO.:	10/765,612	§	
FILED:	January 27, 2004	§	Examiner: Arana, Louis M.
TITLE:	"Method and Apparatus for Multi-Frequency NMR Diffusion Measurements in the Presence of Internal Magnetic Field Gradients"	§	Confirmation No.: 1369
		§	Atty Docket No.: 584-34206-US

**RESPONSE TO OFFICE ACTION OF MARCH 17, 2005**

This is in response to the office action of March 17, 2005. Please amend the application as indicated below. Amendments to the claims start on page 2 of this document.

Remarks start on page 14 of this document.